

PRODUCT DATA SHEET

Sika® Plastocrete® RM/C

Water Reducing and Set-Retarding Concrete Admixture

DESCRIPTION

A cost effective and versatile water-reducing and set-retarding concrete admixtures with a wide dosage range for varied applications. It produces high quality concrete with extended set retardation to allow sufficient time for delivery and placement.

USES

Sika® Plastocrete® RM/C is designed for use where the delivery and placing conditions for high quality concrete are most demanding, such as: n Ready-mix concrete (RM/C)

- Pumped concrete
- Precast and prestressed concrete
- Long hauls/ high temperature RMC supplies
- Large volume / continuous concrete pour

CHARACTERISTICS / ADVANTAGES

Sika® Plastocrete® RM/C is a ready-to-use liquid concrete admixture which provides the following properties:

- Improved workability of fresh concrete
- Controlled extension of setting times
- Long slump retention (extended slump life)
- Accelerated strength development after setting
- Reduced shrinkage and creep

PRODUCT INFORMATION

Chemical Base	A blend of specially selected raw lignosulfonate materials.
Packaging	210 L/ drum 1000 L/ bulk
Appearance / Colour	Dark Brown Liquid
Shelf Life	12 months from date of production if stored in unopened and undamaged original sealed containers.
Storage Conditions	Protect from moisture at temperatures between +5°C and +30°C. Protect against direct sunlight.
Specific gravity	~ 1.060 - 1.120
Recommended Dosage	0.2% - 0.9% by weight of total cementitious binder. Exact dosage rate properties variation of the constituent materials and the temperature, hence it is advisable to carry out trial mixes. Sika® Plastocrete® RM/C is compatible with all types of Portland cement including S.R.C.

Dispensing

Sika® Plastocrete® RM/C should be dispensed directly into the mixing water prior to its addition to the aggregates. When accidental overdosing occurs, Sika® Plastocrete® RM/C does not entrain excessive amounts of air. During any overdosing circumstances, where its effect is an extended setting time, the concrete must be kept moist or be covered with PE sheet to prevent premature drying out.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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